

## South Kenmore Portal Facts at a Glance

The South Kenmore Portal is the starting point for the Brightwater influent tunnel. Through gravity, the untreated wastewater will flow to the North Kenmore Portal and then to the influent pump station at the North Creek Portal. The influent pump station will direct flows to the Brightwater plant for thorough treatment and disinfection.

**Portal location:** NE 175<sup>th</sup> Street and Juanita Drive at the Pioneer Towing property in Kenmore

**Property size:** 2.3 Acres

**Construction duration:** 2 to 2.5 years

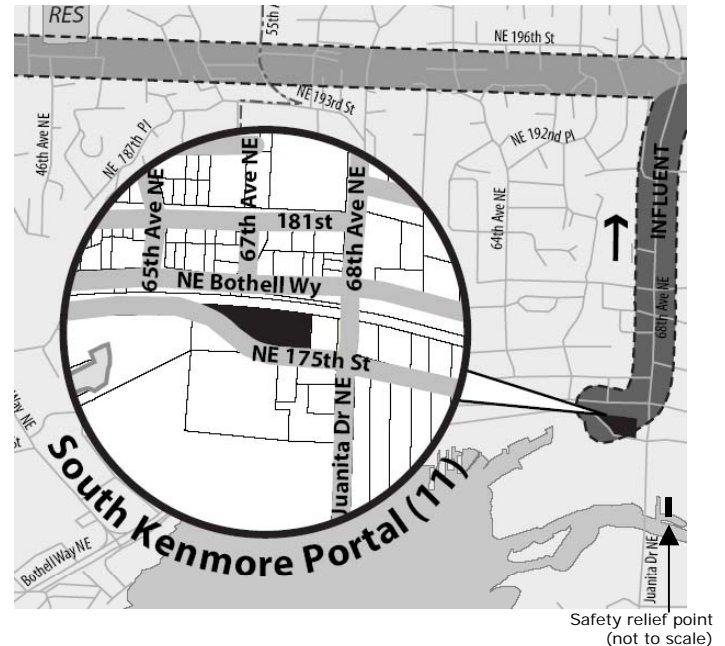
**Existing land uses:** Commercial and light industrial buildings.

**Construction purpose:** Tunnel boring machine launch, spoils receiving; local connection to Swamp Creek Trunk, Woodinville-Bothell interceptor and Juanita Trunk.

**Portal depth:** 45 feet

**Portal diameter:** 50 feet or square excavation 40 foot by 100 foot

**Portal earthwork volumes:** 4,000 cubic yards



**Proposed post-construction permanent structures and functions:** A below ground junction structure to connect existing pipelines to the new facilities and an above ground odor control unit with an electrical equipment room that will be about 1,500 square feet and 20 feet tall.

There will also be a safety relief structure near the South Kenmore Portal next to the existing Kenmore Interceptor. The safety relief structure will be composed of two 72-inch diameter overflow pipes about 400 feet in length that would extend to the shoreline of the Sammamish River. Its purpose is to serve as an outfall during an emergency event.

During power outages or storms, back up power, storage capacity and the ability to divert flows to other plants will keep the regional wastewater system operating normally. The safety relief point would protect communities from wide-spread sewage back-ups during an unlikely event such as multiple power failures combined with severe storms and multiple equipment failures. King County anticipates such an extreme event could occur about only once in 75 years.

## Tunneling Activities

### South Kenmore Portal to North Kenmore Portal

- ❖ **Tunnel reach/diameter:** 1.5 miles; 14 feet
- ❖ **Tunnel earthwork volumes:** 52,000 cubic yards

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## South Kenmore Portal

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### Active Construction

Construction at the South Kenmore Portal is expected to begin in 2007 and go through 2009, and will include:

- ❖ Tunneling from the South Kenmore Portal to the North Kenmore Portal
- ❖ Construction of permanent facilities
- ❖ Connections to existing conveyance system

The information for this fact sheet is from the Brightwater Final Environmental Impact Statement, which is available on the project Web site at <http://dnr.metrokc.gov/WTD/brightwater/env/feis.htm> or by contacting the Brightwater project team (see below).

**For more information or to be added to our mailing list, please contact the Brightwater project team:**

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**This information is available in alternative formats upon request by calling 206-684-1280 or Relay Service 711**